

## **ABSTRACT**

The present invention is directed to scintillator module for a CT detector as well as an apparatus and method of manufacturing the same. The scintillator module is comprised of a scintillator array having a plurality of scintillators aligned in parallel with respect to one another. A collimator assembly includes a comb having a number of teeth and a plurality of collimator plates positioned proximate to the scintillator array. The scintillator array includes at least one indexing pin extending therefrom. The indexing pin engages the comb and is constructed to improve alignment of the scintillator array relative to the collimator plates.